

United States Department of Commerce National Institute of Standards and Technology

***Demonstrated Areas of Proficiency**

Mass

Echelon I

30 kg - 1 mg

50 lb - 1 µlb

Echelon II

50 kg - 1 mg

2500 lb - 500 lb

Echelon III

1000 kg - 1 mg

3000 lb - 0.001 lb

4 oz - 0.03125

Volume

Gravimetric

20,000 ml - 1 mL

5 gal - 0.25 gal

Volume transfer

1500 gal - 5 gal

Length

Steel tapes

200 ft - 1 ft

Rigid rules

72 in - 1 in

Pi tapes

10 ft - 1 ft

Temperature

I, II, III, IV

10 °C - 500 °C

TPW, 10 °C - 500 °C

Thermistors

0 °C - 100 °C

TPW, Tin FP, Zinc FP

~ Certificate of Measurement Traceability ~
for

Minnesota

a participant in the NIST Weights and Measures
Measurement Assurance Program for the Year(s)

2006

**The State standards are traceable to NIST and the laboratory
has demonstrated* measurement proficiency through training
and interlaboratory comparisons.**



*Georgia L. Harris,
for the National Institute of Standards and Technology*

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Title

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Effective Date

